	Exploring the E	Extreme
	2009 Mathem	natics
	Academic Sta	ndards
tics		
State	Standards	
NE	MA.4.MA 4.1.2.a MA.4.MA	Use drawings, words, and symbols to explain the meaning of division [(e.g., as repeated subtraction: Sarah has 24 candies. She put them into bags of 6 candies each. How many bags did Sarah use?) (e.g., as equal sharing: Paul has 24 candies. He wants to share them equally among his 6 friends. How many candies will each friend receive?)] Make predictions based on data to answer
NE	4.4.2.a	questions from tables and bar graphs
	Exploring the E 2009 Mathem Academic Sta	natics
tics		
State	Standards	
NE	MA.6.MA 6.4.2.a	Make predictions based on data and create questions to further investigate the quality of the predictions
NE	MA.6.MA 6.1.3.b	Select and apply the appropriate method of computation when problem solving (e.g., models, mental computation, paper-pencil, technology, divisibility rules)
NE	MA.6.MA 6.1.4.a	Use appropriate estimation methods to check the reasonableness of solutions for problems involving positive rational numbers
	Exploring the E	
	2009 Mathem	
	Academic Sta	ndards
tics		
State	Standards	
NE	MA.7.MA 7.4.1.e	Formulate a question about a characteristic within one population that can be answered by simulation or a survey
	NE NE NE NE NE NE NE NE	Academic Sta tics State Standards MA.4.MA A.1.2.a MA.4.MA A.4.2.a Exploring the E 2009 Mathen Academic Sta tics State Standards MA.6.MA 6.4.2.a MA.6.MA 6.1.3.b MA.6.MA 6.1.4.a Exploring the E 2009 Mathen Academic Sta MA.6.MA 6.1.3.b MA.6.MA 6.1.3.b State Standards MA.6.MA 6.1.4.a

			Select, apply, and explain the method of
			computation when problem solving using
			integers and positive rational numbers (e.g.,
Center of Gravity,		MA.7.MA	models, mental computation, paper-pencil,
Pitch, Yaw	NE	7.1.3.b	technology, divisibility rules)
i itori, raw	INE	7.11.0.0	teormology, divisionity rules/
Center of Gravity,		MA.7.MA	Solve problems involving percent of numbers
Pitch, Yaw	NE	7.1.3.c	(e.g., percent of, % increase, % decrease)
			Select, apply, and explain the method of
			computation when problem solving using
			integers and positive rational numbers (e.g.,
		MA.7.MA	models, mental computation, paper-pencil,
Fuel Efficiency	NE	7.1.3.b	technology, divisibility rules)
		MA.7.MA	Describe and create algebraic expressions
Fuel Efficiency	NE	7.3.1.a	from words, tables, and graphs
		Exploring the E	xtreme
		2009 Mathema	atics
		Academic Stan	dards
Nebraska Mathema	atics		
Grade 8			
Activity/Lesson	State	Standards	
		MA.8.MA	Evaluate predictions to formulate new
Jet Propulsion	NE	8.4.2.a	questions and plan new studies
		MA.8.MA	Evaluate predictions to formulate new
Vectoring	NE	8.4.2.a	questions and plan new studies
			Select, apply, and explain the method of
			computation when problem solving using
			rational numbers (e.g., models, mental
Center of Gravity,		MA.8.MA	computation, paper-pencil, technology,
Pitch, Yaw	NE	8.1.3.d	divisibility rules)
			Select, apply, and explain the method of
			computation when problem solving using
			rational numbers (e.g., models, mental
		MA.8.MA	computation, paper-pencil, technology,
Fuel Efficiency	NE	8.1.3.d	divisibility rules)
ruei Emclency	· ·-		
ruei Efficiency			Represent and analyze a variety of patterns
Fuel Efficiency		MA.8.MA	Represent and analyze a variety of patterns with tables, graphs, words, and algebraic